

TO: MAYOR, CITY COUNCIL AND CITY MANAGER

FROM: MARK J. MALONEY, PUBLIC WORKS DIRECTOR

DATE: NOVEMBER 16, 2016

SUBJ: PUBLIC WORKS MONTHLY REPORT

### **WATER LEVEL CONCERNS**



The Public Works Department continues to respond to numerous questions, comments and concerns for the higher than normal water levels throughout the City, especially in the Grass Lake basin and adjoining areas. Gramsie Road was recently reopened for traffic following a repair that raised the flooded section of the roadway. The temporary section of roadway is expected to function in that capacity until spring of 2017, when it is hoped that surface water elevations in the area allow the permanent repair of the roadway and trail segment that was previously approved by the City Council.

Given the intense interest in the community for information concerning high water impacts to roads, ponds, and lakes, as well as consequences from the elevated groundwater table, a recent meeting was held for agencies in the area. Hosted by Ramsey County Commissioner Huffman, representatives of Shoreview, Ramsey-Washington Metro Watershed District (RWMWD), Vadnais Lake Area WMO, and Ramsey County Parks met and discussed high water impacts as well as technical data and storm water modeling needs that will be

completed over the winter. It was agreed that RWMWD would take the lead on compiling and report information that could be used by all of the agencies. The goal is that concepts for addressing flooding in the Grass Lake Basin would be developed and evaluated over the next few months and possible suggestions for future capital projects considered.

### **ENVIRONMENTAL SERVICES**

#### **Wildlife Management**

The Urban Bowhunters Association, in coordination with City staff will be holding bow hunts for whitetail deer at Victoria Valley Orchard (4304 Victoria St. N). Hunt activities will be conducted on private property with the permission of the landowner. Hunting will occur from November 21st through December 31st (except on November 24th, December 24th, and December 25th) before 10am and after 3pm. Area property owners have been notified by mail and the property will be signed prior to and during the hunt. This annual hunt is part of a City effort to lower the concentration of deer in the area with the goal of reducing property damage and vehicle collisions.

## **MAINTENANCE ACTIVITIES**

Utilities maintenance crews attended a one day wastewater operators' class that was sponsored by the Suburban Utility Supervisors Association (SUSA) and held at the Community Center. They have also been attending classes/workshops/training sessions for the new water treatment plant.

Utility crews inspect and perform routine and scheduled maintenance at all the wells and lift stations, the towers and at the booster station, daily. They are adding the water treatment plant into their daily inspections and maintenance program. Each day they respond to location requests by marking the underground utilities within proposed excavation sites. They also respond to meter reads and repairs daily as well.

During the "change over" of the water treatment system utility crews flushed the water system regularly for approximately 48 hours straight. The water in the system has turned over to the newly treated water. The system should stabilize and we should start seeing more consistent chlorine residuals within the system. Crews are collecting samples regularly as the system settles into the treatment process. The change over process went relatively smooth with very few calls received compared to the size of the system.

Crews have been working on the bi-annual cleaning of all the sanitary sewer lift station. They have been jetting/cleaning and flushing sanitary sewer lines throughout the City. Utility crews also helped out with preparing, setting up and taking down voting equipment and signs.

In preparation for winter, utility crews pump down hydrants, cover hydrants along the main arteries and have mowed and trimmed around all the wells and lift stations. Street crews and the mechanics have inspected and repaired all plow equipment. They have put the summer equipment into storage for the winter and are cleaning up the salt shed and the back yard. Plow trucks have been inspected and are ready to go.

Street crews will continue sweeping streets as long as the weather allows. They are spot patching and patching around manholes and gate valves that may create plowing issues throughout the winter. Crews completed the annual retro-reflectivity survey of the "control sign" located in each zone. Street signs are repaired and replaced as necessary. Crews have repaired boardwalks along the trail system.

Street crews have been repairing and in some cases re-grading drainage easements throughout the storm water system. They continue repairing catch basins as needed. Crews cleaned up the back yard and hauled out the waste rubble that accumulates throughout the summer season. Street crews also completed some curb repairs along streets and near catch basins.

The Dept. of Corrections crew continues cleaning the Maintenance Facility twice a week. When they have not been cleaning the building, they have been working for the parks department. They were working on painting all the boards around the City's hockey rinks.

## **PROJECT UPDATES**

**Water Treatment Plant – Project 14-02** – The water treatment plant is on line and treated water is being supplied to all areas of Shoreview. During the first month or so of operation some residents may

experience some taste and odor issues as the existing water system infrastructure acclimates to the treated water. To date staff has received a small number of complaints. The Utilities staff spent the week of November 14<sup>th</sup> in training sessions for the operation of the water plant. The exterior site work is basically complete and the contractor is concentrating on finish work on the interior of the booster station and water treatment plant.

**Relocation of Water Main – I694 3<sup>rd</sup> Lane – Project 15-10** – A majority of the work is complete and the Contractor is completing punch list items. It is expected a request for final payment to the Contractor will be presented to the City Council for consideration in the near future.

**Bucher Lift Station – Project 15-13** – The lift station and piping are installed and the disturbed areas have been restored. The installation of the electrical service and control panel will be completed in the next few weeks. It is expected the lift station will be operational by the end of November.

**Virginia/Dennison/Lilac Reconstruction – Project 16-01** – All of the work is complete and only punch list items remain.

**Grand Avenue Reconstruction & Extension – Project 16-02** – Work on the permeable section of road, the final lift of asphalt, the trail connection from Grand Avenue to North Owasso Boulevard, and the restoration behind the curb is complete and only punch list items remain. The City's lighting contractor has installed the new LED street lights. The only things left are the electrical inspection and XCEL providing power for the lights.

**Gramsie Road Rehabilitation – Project 16-05** – The contractor completed the work to raise the road through the flooded area and the road is now open to traffic. A change order that includes the construction items required to raise the road will be presented to the Council at the November 21<sup>st</sup> meeting. The work that was completed to raise the road is temporary. The final design for the permanent road section will be completed this winter and the construction will be completed in the spring or summer of 2017, after the water level recedes from the road and adjacent right of way. The additional costs required for the permanent road section will be determined during the final design and presented to the City Council for consideration in 2017.

**Rustic/Colleen/Dawn Reconstruction – Project 17-01** – An information meeting about the proposed project was held for the residents within the project area on November 16<sup>th</sup>. The meeting provided general information on the feasibility study process, typical construction that occurs, and general assessment information. City staff is currently working on the feasibility report and associated preliminary design for the project.